

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An insulated electrical conductor with preserved functionality in case of fire, comprising:
 - a metallic conductor,
 - a first layer applied to said conductor, and
 - a second plastic layer sheathing the first layer,
wherein the first layer is made of at least two longitudinally introduced tapes (2, 3)
containing at least one of glass and mica, which are applied to the conductor,
wherein the width of said longitudinally introduced tapes (2, 3) is selected such that each
of the at least two longitudinally introduced tapes (2, 3) overlaps itself by at least 50%, and
wherein at least one tape or thread (4, 5) of a high-tensile, flame resistant material is
helically applied to the first layer.

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Claim 2 (canceled).

3. (previously presented): A conductor as claimed in Claim 1, wherein the longitudinally introduced tapes are made of a glass filament tape with mica particles, said mica particles being bonded to the glass filament tape with a silicon resin.

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4. (previously presented): A conductor as claimed in Claim 1, wherein said second layer comprises two tapes or threads (4, 5) with a high tensile, flame resistant material that are wound onto the first layer (2, 3) with an opposite direction of lay.

5. (currently amended): A conductor as claimed in Claim 1 2, wherein the thread (4, 5) of high-tensile flame resistant material is a glass filament or carbon fiber thread.

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6. (previously presented): A conductor as claimed in Claim 1, wherein, with the use of two longitudinally introduced tapes, the overlap area (2a) of a first tape (2) of the two longitudinally introduced tapes is offset by 180° in relation to the overlap area (3a) of a second tape (3) of the two longitudinally introduced tapes.

7. (previously presented): A conductor as claimed in Claim 1, characterized in that the at least two longitudinally introduced tapes (2, 3) of the first layer are glass/mica strips, and the mica layer faces the conductor (1).

8. (previously presented): An electrical cable with preserved functionality in case of fire, characterized in that said cable comprises at least two stranded conductors as claimed in Claim 1.

Claims 9-14 (canceled).

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15. (previously presented): A conductor as claimed in claim 1, wherein said at least two longitudinally introduced tapes comprises only two tapes, and said two tapes overlap themselves so as to attain three layers around said conductor.

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AMENDMENTS TO THE DRAWINGS

The attached annotated marked-up sheets of drawings include the following:

- changes to Fig. 2, with the changes highlighted; and
- Fig. 4, with the changes highlighted.

The changes are believed to obviate the Examiner's objection in paper no. 10.

Attachments: Annotated Marked-Up Drawings for Figs. 2 and 4